





CREW TRAINING APPROACH

- Crew Training will support all aspects of the FRESH-02 experiment, hardware and science familiarization.
- ESA is responsible for crew training of the Biopack experiment.
- KSC is responsible for crew training MFA/Biotube and BRIC experiments.





CREW TRAINING Major Milestones FRESH-02

•	Training Questionnaire Delivered to SPACEHAB	12/2/99
•	Training Questionnaire updated, submitted to MMO	3/31/00
•	Draft FOs submitted to MMO	3/31/00
•	ARC Training Readiness Review (ARC requirement)	6/26/00*
•	Familiarization Briefing Dry Run w/SPACEHAB at ARC	7/10/00*^
•	Submit Crew Familiarization Material to SPACEHAB	7/19/00*
•	Crew Training hardware pre-ship review (ARC requirement)	7/19/00*
•	Crew Familiarization and Hands On Training at JSC	7/31/00*
•	Refresher Training at SPPF	11/27/00*

^{*}Based on STS-107 Preliminary Training Schedule Rev. B (Launch 2-22-01)

[^]Requirement established at SPACEHAB Kick-off Meeting 1/19/00





CREW TRAINING Major Milestones FRESH-02 (con't)

• Nominal / Malfunction Procedures

•	Draft	5/12/00*
•	Project Review	5/19/00*
•	Incorporate Redlines	5/26/00*
•	Submit Preliminary to SPACEHAB	5/30/00*
•	Submit to SPACEHAB for Basic Release	6/13/00*
•	Validate (training hardware available)	8/1/00*
•	Submit to SPACEHAB for Final Release (L-1 month)	1/22/01*

^{*}Based on STS-107 Preliminary Training Schedule Rev. B (Launch 2-22-01)





CREW TRAINING CURRICULUM FOR FLIGHT CREW

• FRESH-02

Science Familiarization Training	1.0 hr
 Animal Health Observations 	1.0 hr
 AEM Hardware Familiarization 	0.3 hr
■ AEM CO ₂ System Familiarization	0.3 hr
 IRU Hardware Familiarization 	0.3 hr
 Nominal Operations Training 	1.5 hr
 Malfunction Training 	1.5 hr

^{*} As submitted to SPACEHAB in Experiment Training Requirements Question naire





CREW TRAINING

- IN-FLIGHT NOMINAL OPERATIONS FOR FRESH-02
 - AEM Hardware check
 - Animal health observations
 - AEM water refill using IRU





CREW TRAINING HARDWARE

AEM Training Unit 1 AEM Muffler 1 AEM CO₂ System (ACOS) 1 IRU Training Unit 1 IRU Accessories 1 SORG mockup 1 SPACEHAB Modified Locker (SPACEHAB Provided) 1